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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/382,459	08/25/1999	IAN JUSO DEDIC	1267.1013	5256
21171	7590	07/27/2005	EXAMINER	
STAAS & HALSEY LLP SUITE 700 1201 NEW YORK AVENUE, N.W. WASHINGTON, DC 20005			CHANG, EDITH M	
			ART UNIT	PAPER NUMBER
			2637	

DATE MAILED: 07/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/382,459	DEDIC ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Edith M. Chang	2637	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 2 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 18 April 2005.
- 2a) ☐ This action is FINAL.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-26,33-38,40 and 41 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 1,2,9-11,13-15,19,21,23,25 and 40 is/are allowed.
- 6) ☒ Claim(s) 24 and 26 is/are rejected.
- 7) ☒ Claim(s) 3-8,12,16-18,20,22,33-38 and 41 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 8/25/99,6/26/03,4/18/05 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)                        | 4) <input type="checkbox"/> Interview Summary (PTO-413)                     |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)    | Paper No(s)/Mail Date. _____  |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| Paper No(s)/Mail Date _____   | 6) <input type="checkbox"/> Other: _____                                    |

## **DETAILED ACTION**

### ***Drawings***

1. The drawings were received on April 18, 2005. These drawings are accepted.

### ***Specification***

2. Applicant is reminded of the proper language and format for an abstract of the disclosure. The abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited. It is suggest rewriting the abstract within 15 lines, about 10 words per line, and deleting "(Fig. 6)".

The response received on June 26, 2003, states in ITEM 1: OBJECTION TO SPECIFICATION FOR ABSTRACT FORMAT

A replacement abstract is provided, and withdrawal of the objection to the abstract is respectfully requested.

However, the Office does not receive the provided abstract. Please provide a replacement abstract again.

### ***Claim Objections***

3. Claims 3-8, 12, 16-18, 20, 22, 33-38 and 41 are objected to because of the following informalities:

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Claim 3, line 3: "before an end of" should be "before the end of"; line 4: "which predetermined" should be "which the predetermined".

Claim 4, line 2: "said generated third" should be "said third".

Claim 7, line 3: "the delayed version" should be "a delayed version"; line 5: "a delay" should be "the delay".

Claim 12, line 1: "least" should be "at least".

Claim 16, line 5: "each said local" should be "each of said local".

Claim 17, line 2: "each of said individual unit" is suggested changing to "each of said individual units".

Claim 18, line 4: "to all of said local clock drivers of said" should be "to all of said".

Claim 20, line 2: "each said circuit unit" should be "each of said circuit units"; line 4: "part of each said one or more" should be "part of said one or more".

Claim 22, line 8: "of the circuit unit" is suggested changing to "each of said individual circuit units".

Claim 33, line 16: "said one or more" should be "one or more".

Claims 36 & Claim 41, line 4: "the first signal(s)" should be "the one or more first signal(s)".

Claim 38, lines 3-4 & line 8: "first clocked element" should be "first latch circuit", since "first clocked element" does not have the antecedent basis, it should be "first latch circuit"; line 8: "a first non-responsive" should be "the first non-responsive"; line 9: "a first responsive" should be "the first responsive".

Claims 5-6, 8, 34-35 and 37 directly or indirectly dependent on the objected claims 4, 33 and 36.

Appropriate correction is required.

***Claim Rejections - 35 USC § 112***

4. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

5. Claims 24 and 26 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 24, line 2: "including a digital-to-analog converter" does not have any connection or cooperation with the elements comprised in the mixed-signal circuitry recited in claim 23.

Claim 26, line 2: "a second part of said digital circuitry" does not clearly indicate which and what element(s) is/are included in the second part of said digital circuitry, the first part of said digital circuitry includes an input signal processing circuit, a first and second clocked elements, and a clock generating circuitry.

***Allowable Subject Matter***

6. Claims 1-2, 9-11, 13-15, 19, 21, 23, 25, and 40 are allowed.
7. Claims 3-8, 12, 16-18, 20, 22, 33-38 and 41 would be allowable if rewritten to overcome the objection(s) set forth in this Office action.

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8. Claims 24 and 26 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, 2nd paragraph, set forth in this Office action.

9. The following is a statement of reasons for the indication of allowable subject matter:

The prior art of record fails to teach or suggest, alone or in a combination, among other things, at least a digital circuitry or a digital-analog converter circuit as a whole, the combination of elements and features, which includes an input signal processing circuit clocked by a first clock signal, outputting signals to the first latch (or the first clock element) clocked by a second clock signal generated by a clock generator from the first clock signal, a second latch (or the second clock element) clocked by a third signal generated by a clock generator from the first clock signal, receiving the outputs from the second latch that the first and the second latch operate between a responsive state and a non-responsive state by turns as cited in the claims; and an analog circuit connected to receive the outputs of the second latch.


10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edith M. Chang whose telephone number is 571-272-3041. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jay K. Patel can be reached on 571-272-2988. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Edith Chang  
July 21, 2005

  
YOUNG T. TSE  
PRIMARY EXAMINER